

**Abstract**

The invention relates to a method of shutting down a pluggable electrical unit (2) in a modular system comprising a base unit (1) and at least one pluggable electrical unit (2) connected via an interface (3). Each pluggable electrical unit (2) has module electronics (22) and a switch (25), which is coupled to a mechanical locking of the pluggable electrical unit (2) in the base unit (1). The interface (22) is provided with a variable resistor (31), arranged in a feed line. The module electronics (22) are communicatively connected to the base unit (1) via switching means (34). For removal, the pluggable electrical unit (2) to be removed is unlocked. During the unlocking of the pluggable electrical unit (2) to be removed, the switch (25) is actuated. Then, communication operations in progress between the base unit (1) and the pluggable electrical unit (2) to be removed are terminated. The communication connection routed via the switching means (34) is disconnected and the module electronics (22) of the pluggable electrical unit (2) to be removed are isolated from the base unit (1). The variable resistor (31) is brought in a controlled manner into its high-resistance state.